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OM protein - protein search, using SW model

Run on: January 16, 2003, 16:43:32 : Search time 12 3429 seconds  
(without alignments)  
28 605 Million cell updates/sec

Title: US-09-856-070-21  
Perfect score: 60  
Sequence: 1 BELMLRQDYEE 12

Scoring table: BLOSUM62  
Gapop 10.0 : Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /cgn2\_5/prodata/2/1aa/5A\_0000 pep \*  
2: /cgn2\_5/prodata/2/1aa/5A\_0000 pep \*  
3: /cgn2\_5/prodata/2/1aa/6A\_0000 pep \*  
4: /cgn2\_5/prodata/2/1aa/6A\_0000 pep \*  
5: /cgn2\_5/prodata/2/1aa/6A\_0000 pep \*  
6: /cgn2\_5/prodata/2/1aa/6A\_0000 pep \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	60	100.0	586	4 US-09-040-725A-1	Sequence 1, Appli
2	39	65.0	357	5 PCT-US91-00899-14	Sequence 14, Appli
3	39	65.0	405	1 US-07-914-281-8	Sequence 8, Appli
4	39	65.0	405	1 US-08-393-246-8	Sequence 8, Appli
5	39	65.0	405	1 US-08-525-058A-8	Sequence 8, Appli
6	39	65.0	405	2 US-08-483-151-4	Sequence 4, Appli
7	39	65.0	405	2 US-08-696-731-8	Sequence 8, Appli
8	39	65.0	405	4 US-09-042-531-8	Sequence 8, Appli
9	37	61.7	62	4 US-09-006-428A-6	Sequence 6, Appli
10	37	61.7	63	4 US-09-006-428A-7	Sequence 7, Appli
11	37	61.7	1151	3 US-08-840-006-6	Sequence 6, Appli
12	37	61.7	1200	3 US-08-840-006-5	Sequence 5, Appli
13	36	60.0	431	3 US-08-556-419-25	Sequence 25, Appli
14	35	59.2	547	4 US-09-380-061B-20	Sequence 20, Appli
15	35	59.2	548	4 US-09-380-061B-18	Sequence 18, Appli
16	35	59.2	548	4 US-08-487-183A-16	Sequence 16, Appli
17	35	59.2	549	1 US-08-354-240A-2	Sequence 2, Appli
18	35	59.2	550	1 US-08-354-240A-4	Sequence 4, Appli
19	35	59.2	550	1 US-08-354-240A-6	Sequence 6, Appli
20	35	59.2	550	3 US-08-867-352-23	Sequence 23, Appli
21	35	59.2	550	3 US-08-718-425-2	Sequence 2, Appli
22	35	59.2	550	4 US-08-718-425-5	Sequence 5, Appli
23	35	59.2	550	4 US-09-380-061B-6	Sequence 6, Appli
24	35	59.2	550	4 US-09-380-061B-33	Sequence 33, Appli
25	35	59.2	550	4 US-08-487-183A-10	Sequence 10, Appli
26	35	59.2	552	3 US-09-111-752-5	Sequence 5, Appli
27	35	59.2	561	2 US-08-474-159-8	Sequence 8, Appli

28	35.5	59.2	875	1 US-08-122-520C-9	Sequence 9, Appli
29	35.5	59.2	1242	4 US-09-488-270A-2	Sequence 2, Appli
30	34.5	57.5	149	4 US-09-109-100-20	Sequence 20, Appli
31	34.5	57.5	184	4 US-08-759-628-10	Sequence 10, Appli
32	34.5	57.5	214	6 5254534-3	Patent No. 5254534
33	34.5	57.5	223	1 US-07-745-382-24	Sequence 24, Appli
34	34.5	57.5	223	1 US-07-921-848-24	Sequence 24, Appli
35	34.5	57.5	223	1 US-08-165-301A-24	Sequence 24, Appli
36	34.5	57.5	223	4 US-08-810-436-24	Sequence 24, Appli
37	34.5	57.5	223	5 PCT-US94-1479-24	Sequence 24, Appli
38	34.5	57.5	225	5 PCT-US94-00658-2	Sequence 2, Appli
39	34.5	57.5	256	1 US-08-354-456A-4	Sequence 4, Appli
40	34.5	57.5	256	1 US-07-939-280A-4	Sequence 4, Appli
41	34.5	57.5	256	1 US-08-426-279-4	Sequence 4, Appli
42	34.5	57.5	256	1 US-08-401-013-4	Sequence 4, Appli
43	34.5	57.5	256	3 US-08-426-570-4	Sequence 4, Appli
44	34.5	57.5	256	4 US-08-425-876-4	Sequence 4, Appli
45	34.5	57.5	256	4 US-08-426-243-4	Sequence 4, Appli

## ALIGNMENTS

### RESULT 1

US-09-040-725A-1

: Sequence 1, Application US/09040725A

: Patent No. 6399584

: GENERAL INFORMATION:

: APPLICANT: Institut Curie

: APPLICANT: CNRS

: APPLICANT: Aepic, Monique

: APPLICANT: Ciopaldi, Tiziana

: APPLICANT: Gautreau, Alexis

: APPLICANT: Levard, Daniel

: TITLE OF INVENTION: Pharmacological composition containing ezrin mutated

: FILE REFERENCE: 391082000100

: CURRENT APPLICATION NUMBER: US/09/040,725A

: CURRENT FILING DATE: 1998-03-18

: NUMBER OF SEQ ID NOS: 4

: SOFTWARE: PatentIn Ver. 2.1

: SEQ ID NO 1

: LENGTH: 586

: TYPE: PRT

: ORGANISM: Homo sapiens

: ORGANISM: Homo sapiens

: ORGANISM: Homo sapiens

Query Match 100.0% Score 60; DB 4; Length 586;

Best Local Similarity 100.0%; Prod No. 0.0958;

Matches 12, Conservative 0, Mismatches 0, Indels 0, Gaps 0;

Cy 1 BELMLRQDYEE 12

DB 345 BELMLRQDYEE 356

### RESULT 2

PCT-US91-00899-14

: Sequence 14, Application PCT/TUS9100899

: GENERAL INFORMATION:

: APPLICANT: Ioway, John B.

: TITLE OF INVENTION: Method and Products For the Synthesis of

: TITLE OF INVENTION: Disaccharide Structures on Glycoproteins, Glycolipids,

: TITLE OF INVENTION: or as Free Molecules, and for the Isolation of Cloned

: TITLE OF INVENTION: Genetic Sequences That Determine These Structures

: NUMBER OF SEQUENCES: 15

: CORRESPONDENCE ADDRESS:

: ADDRESSEE: CHLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

: ADDRESSEE: P.O.

: STREET: 1700 Beltsford Davis Highway, Suite 400

: CITY: Arlington

: STATE: Virginia

: ZIP: 22202

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US91/00899  
 FILING DATE: 19910214  
 CLASSIFICATION: 4A5  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lavalleye Ph.D., Jean-Paul  
 REGISTRATION NUMBER: 31,451  
 REFERENCE/DOCKET NUMBER: 2363-021-55 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703)521-5940  
 TELEFAX: (703)486-2347  
 TELEX: 248855 OPAT UR  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 357 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: C-terminal  
 PCT US91-00899-14

Query Match 65.0% Score 39, DB 5, Length 357,  
 Best Local Similarity 66.7% Pred. No. 17;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRLQDYEE 12  
 ||: ||: ||||  
 Db 85 EEVDLRVLDYEE 96

RESULT 3  
 US 07-914-281 R  
 Sequence 8, Application US/07914281  
 Patent No. 5,424,663  
 GENERAL INFORMATION:  
 APPLICANT: LOWE, JOHN B.  
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 ADDRESS: P.C.  
 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/914,281  
 FILING DATE: 19920720  
 CLASSIFICATION: 540  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lavalleye, Jean-Paul M. P.  
 REGISTRATION NUMBER: 31,451  
 REFERENCE/DOCKET NUMBER: 2363-060-55  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703)521-4500  
 TELEFAX: (703)486-2347  
 TELEX: 248855 OPAT UR  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 405 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 US-08-393-246-8

Query Match 65.0% Score 49, DB 1, Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRLQDYEE 12  
 ||: ||: ||||  
 Db 136 EEVDLRVLDYEE 147

LENGTH: 405 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 US-07-914-281-8

Query Match 65.0% Score 39, DB 1, Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRLQDYEE 12  
 ||: ||: ||||  
 Db 136 EEVDLRVLDYEE 147

RESULT 4  
 US-08-393-246-8

Sequence 8, Application US/08393246  
 Patent No. 5,595,900  
 GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.  
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 ADDRESS: P.C.  
 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/393,246  
 FILING DATE:  
 CLASSIFICATION: 540  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/220,433  
 FILING DATE: 30-MAR-1994  
 APPLICATION NUMBER: US 07/914,281  
 FILING DATE: 20-JUL-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lavalleye, Jean-Paul M. P.  
 REGISTRATION NUMBER: 31,451  
 REFERENCE/DOCKET NUMBER: 2363-060-55  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703)521-4500  
 TELEFAX: (703)486-2347  
 TELEX: 248855 OPAT UR  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 405 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 US-08-393-246-8

Query Match 65.0% Score 49, DB 1, Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRLQDYEE 12  
 ||: ||: ||||  
 Db 136 EEVDLRVLDYEE 147

RESULT 5  
 US-08-525-058A-8  
 : Sequence 8, Application US/08525058A  
 : Patent No. 5770420  
 : GENERAL INFORMATION:  
 : APPLICANT: LOWE, JOHN B.  
 : TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 : OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 : GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 : OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES  
 : NUMBER OF SEQUENCES: 23  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: OHION, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.  
 : STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 : CITY: Arlington  
 : STATE: Virginia  
 : COUNTRY: U.S.A.  
 : ZIP: 22202  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: PatentIn Release #1.0, Version #1.25  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/525,058A  
 : FILING DATE:  
 : CLASSIFICATION: 435  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Lavalleye, Jean-Paul M. P.  
 : REGISTRATION NUMBER: 31,451  
 : REFERENCE/DOCKET NUMBER: 2363-060-55  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: (703)521-4500  
 : TELEFAX: (703)486-2347  
 : TELEX: 248855 OPAT UR  
 : INFORMATION FOR SEQ ID NO: 8:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 405 amino acids  
 : TYPE: amino acid  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: protein  
 : US-08-525-058A-8

Query Match: 65.9%, Score 39, DB 1; Length 405;  
 Best Local Similarity: 66.7%, Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 0; Gaps 0.

QY 1 HELMELQDYEE 12  
 II: III: IIII  
 DB 136 BEVDLRVLDYEE 147

RESULT 6  
 US-08-483-151-4  
 : Sequence 4, Application US/08483151  
 : Patent No. 5858752  
 : GENERAL INFORMATION:  
 : APPLICANT: Seed, Brian  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Holgerisson, Jan  
 : REGISTRATION NUMBER: 31,451  
 : REFERENCE/DOCKET NUMBER: 2363-060-55  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: (703)521-4500  
 : TELEFAX: (703)486-2347  
 : TELEX: 248855 OPAT UR  
 : INFORMATION FOR SEQ ID NO: 4:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 405 amino acids  
 : TYPE: amino acid  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: protein  
 : US-08-483-151-4

US-08-696-731-8  
 : Sequence 8, Application US/08696731  
 : Patent No. 5955347  
 : GENERAL INFORMATION:  
 : APPLICANT: LOWE, JOHN B.  
 : TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 : OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 : GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 : OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES  
 : NUMBER OF SEQUENCES: 14  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: OHION, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 : STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 : CITY: Arlington  
 : STATE: Virginia  
 : COUNTRY: U.S.A.  
 : ZIP: 22202  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: PatentIn Release #1.0, Version #1.25  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/696,731  
 : FILING DATE: 14-AUG-1996  
 : CLASSIFICATION: 435  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: 08/393,245  
 : FILING DATE:  
 : APPLICATION NUMBER: US 08/220,433  
 : FILING DATE: 30-MAR-1994  
 : APPLICATION NUMBER: US 07/914,281  
 : FILING DATE: 20-JUL-1992  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Lavalleye, Jean-Paul M. P.  
 : REGISTRATION NUMBER: 31,451  
 : REFERENCE/DOCKET NUMBER: 2363-060-55  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: (703)521-4500  
 : TELEFAX: (703)486-2347  
 : TELEX: 248855 OPAT UR

US-08-483-151-4  
 : Query Match: 65.9%, Score 39, DB 2; Length 405;  
 : Best Local Similarity: 66.7%, Pred. No. 19;  
 : Matches 8; Conservative 2; Mismatches 0; Gaps 0.

QY 1 HELMELQDYEE 12  
 II: III: IIII  
 DB 136 BEVDLRVLDYEE 147

1 INFORMATION FOR SEQ ID NO: 8:  
 2 SEQUENCE CHARACTERISTICS:  
 3 LENGTH: 405 amino acids  
 4 TYPE: amino acid  
 5 TOPOLOGY: unknown  
 6 MOLECULE TYPE: protein  
 7 US-08-696-731 8

Query Match 65.0% Score 39; DB 2; Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 146 EVDLRVLDYEE 147

RESULT 8  
 US-09-042-531-8  
 2 Sequence 8, Application US/09042500  
 3 Patent No. 6268194  
 4 GENERAL INFORMATION:  
 5 APPLICANT: LOWE, JOHN B.  
 6 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 7 TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 8 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 9 TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
 10 NUMBER OF SEQUENCES: 14  
 11 CORRESPONDENCE ADDRESS:  
 12 ADDRESSEE: ORLON, SPIVAK, MCCLELLAND, MATER & NEUSIADT,  
 13 ADDRESSEE: P.O.  
 14 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 15 CITY: Arlington  
 16 STATE: Virginia  
 17 COUNTRY: U.S.A.  
 18 ZIP: 22202  
 19 COMPUTER READABLE FORM:  
 20 MEDIUM TYPE: Floppy disk  
 21 COMPUTER: IBM PC compatible  
 22 OPERATING SYSTEM: pc-tos/MS DOS  
 23 SOFTWARE: Patent In Release #1.0, Version #1.25  
 24 CURRENT APPLICATION DATA:  
 25 APPLICATION NUMBER: US/09/042,531  
 26 FILING DATE:  
 27 CLASSIFICATION:  
 28 PRIOR APPLICATION DATA:  
 29 APPLICATION NUMBER: US/08/404,246  
 30 FILING DATE:  
 31 APPLICATION NUMBER: US 08/220,433  
 32 FILING DATE: 30-MAR-1994  
 33 APPLICATION NUMBER: US 07/914,281  
 34 FILING DATE: 20-JUL-1992  
 35 ATTORNEY/AGENT INFORMATION:  
 36 NAME: Lavalleye, Jean-Paul M. P.  
 37 REGISTRATION NUMBER: 31,451  
 38 REFERENCE/JACKET NUMBER: 2363-060-55  
 39 TELECOMMUNICATION INFORMATION:  
 40 TELEPHONE: (703)521-4500  
 41 TELEFAX: (703)486-2347  
 42 TELEX: 248855 OPAL UR  
 43 INFORMATION FOR SEQ ID NO: 8:  
 44 SEQUENCE CHARACTERISTICS:  
 45 LENGTH: 405 amino acids  
 46 TYPE: amino acid  
 47 TOPOLOGY: unknown  
 48 MOLECULE TYPE: protein  
 49 US-09-042-531-8

Query Match 65.0% Score 39; DB 4; Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 146 EVDLRVLDYEE 147

RESULT 8  
 US-09-042-531-8  
 2 Sequence 8, Application US/09042500  
 3 Patent No. 6268194  
 4 GENERAL INFORMATION:  
 5 APPLICANT: LOWE, JOHN B.  
 6 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 7 TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 8 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 9 TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
 10 NUMBER OF SEQUENCES: 14  
 11 CORRESPONDENCE ADDRESS:  
 12 ADDRESSEE: ORLON, SPIVAK, MCCLELLAND, MATER & NEUSIADT,  
 13 ADDRESSEE: P.O.  
 14 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 15 CITY: Arlington  
 16 STATE: Virginia  
 17 COUNTRY: U.S.A.  
 18 ZIP: 22202  
 19 COMPUTER READABLE FORM:  
 20 MEDIUM TYPE: Floppy disk  
 21 COMPUTER: IBM PC compatible  
 22 OPERATING SYSTEM: pc-tos/MS DOS  
 23 SOFTWARE: Patent In Release #1.0, Version #1.25  
 24 CURRENT APPLICATION DATA:  
 25 APPLICATION NUMBER: US/09/042,531  
 26 FILING DATE:  
 27 CLASSIFICATION:  
 28 PRIOR APPLICATION DATA:  
 29 APPLICATION NUMBER: US/08/404,246  
 30 FILING DATE:  
 31 APPLICATION NUMBER: US 08/220,433  
 32 FILING DATE: 30-MAR-1994  
 33 APPLICATION NUMBER: US 07/914,281  
 34 FILING DATE: 20-JUL-1992  
 35 ATTORNEY/AGENT INFORMATION:  
 36 NAME: Lavalleye, Jean-Paul M. P.  
 37 REGISTRATION NUMBER: 31,451  
 38 REFERENCE/JACKET NUMBER: 2363-060-55  
 39 TELECOMMUNICATION INFORMATION:  
 40 TELEPHONE: (703)521-4500  
 41 TELEFAX: (703)486-2347  
 42 TELEX: 248855 OPAL UR  
 43 INFORMATION FOR SEQ ID NO: 8:  
 44 SEQUENCE CHARACTERISTICS:  
 45 LENGTH: 405 amino acids  
 46 TYPE: amino acid  
 47 TOPOLOGY: unknown  
 48 MOLECULE TYPE: protein  
 49 US-09-042-531-8

Query Match 65.0% Score 39; DB 4; Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 146 EVDLRVLDYEE 147

RESULT 8  
 US-09-042-531-8  
 2 Sequence 8, Application US/09042500  
 3 Patent No. 6268194  
 4 GENERAL INFORMATION:  
 5 APPLICANT: LOWE, JOHN B.  
 6 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 7 TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 8 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 9 TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
 10 NUMBER OF SEQUENCES: 14  
 11 CORRESPONDENCE ADDRESS:  
 12 ADDRESSEE: ORLON, SPIVAK, MCCLELLAND, MATER & NEUSIADT,  
 13 ADDRESSEE: P.O.  
 14 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 15 CITY: Arlington  
 16 STATE: Virginia  
 17 COUNTRY: U.S.A.  
 18 ZIP: 22202  
 19 COMPUTER READABLE FORM:  
 20 MEDIUM TYPE: Floppy disk  
 21 COMPUTER: IBM PC compatible  
 22 OPERATING SYSTEM: pc-tos/MS DOS  
 23 SOFTWARE: Patent In Release #1.0, Version #1.25  
 24 CURRENT APPLICATION DATA:  
 25 APPLICATION NUMBER: US/09/042,531  
 26 FILING DATE:  
 27 CLASSIFICATION:  
 28 PRIOR APPLICATION DATA:  
 29 APPLICATION NUMBER: US/08/404,246  
 30 FILING DATE:  
 31 APPLICATION NUMBER: US 08/220,433  
 32 FILING DATE: 30-MAR-1994  
 33 APPLICATION NUMBER: US 07/914,281  
 34 FILING DATE: 20-JUL-1992  
 35 ATTORNEY/AGENT INFORMATION:  
 36 NAME: Lavalleye, Jean-Paul M. P.  
 37 REGISTRATION NUMBER: 31,451  
 38 REFERENCE/JACKET NUMBER: 2363-060-55  
 39 TELECOMMUNICATION INFORMATION:  
 40 TELEPHONE: (703)521-4500  
 41 TELEFAX: (703)486-2347  
 42 TELEX: 248855 OPAL UR  
 43 INFORMATION FOR SEQ ID NO: 8:  
 44 SEQUENCE CHARACTERISTICS:  
 45 LENGTH: 405 amino acids  
 46 TYPE: amino acid  
 47 TOPOLOGY: unknown  
 48 MOLECULE TYPE: protein  
 49 US-09-042-531-8

Query Match 65.0% Score 39; DB 4; Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 146 EVDLRVLDYEE 147

RESULT 8  
 US-09-042-531-8  
 2 Sequence 8, Application US/09042500  
 3 Patent No. 6268194  
 4 GENERAL INFORMATION:  
 5 APPLICANT: LOWE, JOHN B.  
 6 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
 7 TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
 8 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
 9 TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
 10 NUMBER OF SEQUENCES: 14  
 11 CORRESPONDENCE ADDRESS:  
 12 ADDRESSEE: ORLON, SPIVAK, MCCLELLAND, MATER & NEUSIADT,  
 13 ADDRESSEE: P.O.  
 14 STREET: 1755 Jefferson Davis Highway, Fourth Floor  
 15 CITY: Arlington  
 16 STATE: Virginia  
 17 COUNTRY: U.S.A.  
 18 ZIP: 22202  
 19 COMPUTER READABLE FORM:  
 20 MEDIUM TYPE: Floppy disk  
 21 COMPUTER: IBM PC compatible  
 22 OPERATING SYSTEM: pc-tos/MS DOS  
 23 SOFTWARE: Patent In Release #1.0, Version #1.25  
 24 CURRENT APPLICATION DATA:  
 25 APPLICATION NUMBER: US/09/042,531  
 26 FILING DATE:  
 27 CLASSIFICATION:  
 28 PRIOR APPLICATION DATA:  
 29 APPLICATION NUMBER: US/08/404,246  
 30 FILING DATE:  
 31 APPLICATION NUMBER: US 08/220,433  
 32 FILING DATE: 30-MAR-1994  
 33 APPLICATION NUMBER: US 07/914,281  
 34 FILING DATE: 20-JUL-1992  
 35 ATTORNEY/AGENT INFORMATION:  
 36 NAME: Lavalleye, Jean-Paul M. P.  
 37 REGISTRATION NUMBER: 31,451  
 38 REFERENCE/JACKET NUMBER: 2363-060-55  
 39 TELECOMMUNICATION INFORMATION:  
 40 TELEPHONE: (703)521-4500  
 41 TELEFAX: (703)486-2347  
 42 TELEX: 248855 OPAL UR  
 43 INFORMATION FOR SEQ ID NO: 8:  
 44 SEQUENCE CHARACTERISTICS:  
 45 LENGTH: 405 amino acids  
 46 TYPE: amino acid  
 47 TOPOLOGY: unknown  
 48 MOLECULE TYPE: protein  
 49 US-09-042-531-8

Query Match 65.0% Score 39; DB 4; Length 405;  
 Best Local Similarity 66.7% Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 146 EVDLRVLDYEE 147

Db 136 EVDLRVLDYEE 147  
 11: 11: 1111

RESULT 9  
 US-09-006-428A-6  
 2 Sequence 6, Application US/09006428A  
 3 Patent No. 6444439  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Jinq Li  
 6 APPLICANT: Kazuhisa Nishizawa  
 7 APPLICANT: Wenqian An  
 8 APPLICANT: Ellis L. Reinherz  
 9 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A  
 10 TITLE OF INVENTION: Cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)  
 11 FILE REFERENCE: 1062,1020-000  
 12 CURRENT APPLICATION NUMBER: US/09/006,428A  
 13 CURRENT FILING DATE: 1998-01-13  
 14 NUMBER OF SEQ ID NOS: 28  
 15 SOFTWARE: FastSeq for Windows Version 4.0  
 16 SEQ ID NO 6  
 17 LENGTH: 62  
 18 TYPE: PRT  
 19 ORGANISM: Homo sapiens  
 20 US-09-006-428A-6

Query Match 61.7% Score 37; DB 4; Length 62;  
 Best Local Similarity 58.3% Pred. No. 6;  
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 6 KELVLALDYQE 17

RESULT 10  
 US-09-006-428A-7  
 2 Sequence 7, Application US/09006428A  
 3 Patent No. 6444439  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Jinq Li  
 6 APPLICANT: Kazuhisa Nishizawa  
 7 APPLICANT: Wenqian An  
 8 APPLICANT: Ellis L. Reinherz  
 9 TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A  
 10 TITLE OF INVENTION: Cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)  
 11 FILE REFERENCE: 1062,1020-000  
 12 CURRENT APPLICATION NUMBER: US/09/006,428A  
 13 CURRENT FILING DATE: 1998-01-13  
 14 NUMBER OF SEQ ID NOS: 28  
 15 SOFTWARE: FastSeq for Windows Version 4.0  
 16 SEQ ID NO 7  
 17 LENGTH: 63  
 18 TYPE: PRT  
 19 ORGANISM: Homo sapiens  
 20 US-09-006-428A-7

Query Match 61.7% Score 37; DB 4; Length 63;  
 Best Local Similarity 58.3% Pred. No. 6;  
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 6 KELVLALDYQE 17

RESULT 11  
 US-08-840-006-6  
 2 Sequence 6, Application US/08840006  
 3 Patent No. 6127520  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Ueda, Ietsufumi  
 6 APPLICANT: Ozkan, ERIC D.

Query Match 61.7% Score 37; DB 4; Length 63;  
 Best Local Similarity 58.3% Pred. No. 6.1;  
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 8 KELVLALDYQE 19

RESULT 11  
 US-08-840-006-6  
 2 Sequence 6, Application US/08840006  
 3 Patent No. 6127520  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Ueda, Ietsufumi  
 6 APPLICANT: Ozkan, ERIC D.

Query Match 61.7% Score 37; DB 4; Length 63;  
 Best Local Similarity 58.3% Pred. No. 6.1;  
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 8 KELVLALDYQE 19

RESULT 11  
 US-08-840-006-6  
 2 Sequence 6, Application US/08840006  
 3 Patent No. 6127520  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Ueda, Ietsufumi  
 6 APPLICANT: Ozkan, ERIC D.

Query Match 61.7% Score 37; DB 4; Length 63;  
 Best Local Similarity 58.3% Pred. No. 6.1;  
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 EELMLRIQDYEE 12  
 11: 11: 1111  
 Db 8 KELVLALDYQE 19

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? TITLE OF INVENTION: Compositions And Methods For The
? TITLE OF INVENTION: Inhibition Of Neurotransmitter Uptake Of Synaptic Vesicles
? NUMBER OF SEQUENCES: 6
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Medlen & Carroll, LLP
? STREET: 220 Montgomery Street, Suite 2200
? CITY: San Francisco
? STATE: California
? COUNTRY: United States of America
? ZIP: 94104
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/840,006
? FILING DATE: 15-APR-1997
? CLASSIFICATION: 514
? ATTORNEY/AGENT INFORMATION:
? NAME: Carroll, Peter G.
? REGISTRATION NUMBER: 32,837
? REFERENCE/DOCKET NUMBER: UM-02786
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (415) 705-8410
? TELEFAX: (415) 397-8338
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1151 amino acids
? TYPE: amino acid
? STRANDEDNESS: not relevant
? TOPOLOGY: linear
? MOLECULE TYPE: peptide
? US-08-840-006-6

Query Match 61.7%, Score 37; DB 3; Length 1151;
Best Local Similarity 58.3%, Pred. No. 1, 30-02;
Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 BELMLRLQDYEE 12
   :|:|:| | |:|:|
Db 944 KELVLALYDQE 955

RESULT 12
US-08-840-006-5
? Sequence 5, Application US/08840006
? Patent No. 6127520
? GENERAL INFORMATION:
? APPLICANT: Ueda, Tetsutomi
? APPLICANT: Ozkan, Eric D.
? TITLE OF INVENTION: Compositions And Methods For The
? TITLE OF INVENTION: Inhibition Of Neurotransmitter Uptake Of Synaptic Vesicles
? NUMBER OF SEQUENCES: 6
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Medlen & Carroll, LLP
? STREET: 220 Montgomery Street, Suite 2200
? CITY: San Francisco
? STATE: California
? COUNTRY: United States of America
? ZIP: 94104
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/840,006
? FILING DATE: 15-APR-1997
? CLASSIFICATION: 514
? ATTORNEY/AGENT INFORMATION:
? NAME: Carroll, Peter G.
? REGISTRATION NUMBER: 32,837

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? REFERENCE/DOCKET NUMBER: UM-02786
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (415) 705-8410
? TELEFAX: (415) 397-8338
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1200 amino acids
? TYPE: amino acid
? STRANDEDNESS: not relevant
? TOPOLOGY: linear
? MOLECULE TYPE: peptide
? US-08-840-006-5

Query Match 61.7%, Score 37; DB 3; Length 1200;
Best Local Similarity 58.3%, Pred. No. 1, 40-02;
Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 BELMLRLQDYEE 12
   :|:|:| | |:|:|
Db 969 KELVLALYDQE 980

RESULT 13
US-08-556-419-25
? Sequence 25, Application US/08556419C
? Patent No. 6094549
? GENERAL INFORMATION:
? APPLICANT: Ross, Christopher
? APPLICANT: Li, Xiao-Jiang
? APPLICANT: Li, Shi-Hua
? APPLICANT: Sharp, Alan
? APPLICANT: Lanahan, Anthony
? APPLICANT: Worley, Paul
? APPLICANT: Snyder, Solomon
? TITLE OF INVENTION: Huntingtin-associated protein
? FILE REFERENCE: 01107, 52271
? CURRENT APPLICATION NUMBER: US/08/556, 419C
? CURRENT FILING DATE: 1995-11-09
? NUMBER OF SEQ ID NOS: 25
? SOFTWARE: FASTSEQ for Windows Version 3.0
? SEQ ID NO 25
? LENGTH: 331
? TYPE: PPT
? ORGANISM: Homo sapiens
? US-08-556-419-25

Query Match 60.0%, Score 36; DB 3; Length 331;
Best Local Similarity 63.6%, Pred. No. 53;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 BELMLRLQDYEE 11
   :|:|:| | |:|:|
Db 119 EKLVLRLDENE 129

RESULT 14
US-09-380-061B-20
? Sequence 20, Application US/093800061B
? Patent No. 6265177
? GENERAL INFORMATION:
? APPLICANT: SOUTERRELL, DAVID JAMES
? APPLICANT: WHITE, PETER JOHN
? APPLICANT: LOWE, CHRISTOPHER ROBIN
? APPLICANT: MURRAY, JAMES AUGUSTUS HENRY
? TITLE OF INVENTION: ENZYME ASSAY FOR MUTANT FIREFLY LUCIFERASE
? NUMBER OF SEQUENCES: 21
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: NIXON & VANDERHYE P.C.
? STREET: 1100 NORTH CLARE ROAD
? CITY: ARLINGTON
? STATE: VIRGINIA
? COUNTRY: U.S.A.
? ZIP: 22201-4714

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/380,061B
FILING DATE: 25-Apr-1999
CLASSIFICATION: (Unknown)
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB98/01026
FILING DATE: 7-APR-1998
APPLICATION NUMBER: GB 9707468.8
FILING DATE: 11-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: SAGEFF, B. J.
REGISTRATION NUMBER: 46,663
REFERENCE/DOCKET NUMBER: 124-725
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 547 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US 09-480-061B-20

Query Match          59.2%; Score 35.5; DB 4; Length 547;
Best Local Similarity 75.0%; Pred. No. 1,1e-02;
Matches 9; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

97 1 EELMLR-LQDYE 11
14 111 11 11111
14 270 EELFLSLQDYK 281

RESULT 15
US 09-480-061B-1B
Sequence 18, Application US/09480061B
Patent No. 6265177
GENERAL INFORMATION:
APPLICANT: SQUIRRELL, DAVID JAMES
WHITE, PETER JOHN
LOWE, CHRISTOPHER ROBIN
MURRAY, JAMES AUGUSTUS HENRY
TITLE OF INVENTION: ENZYME ASSAY FOR MUTANT FIREFLY LUCIFERASE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANIERHYE P.C.
STREET: 1100 NORTH CLEVE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/380,061B
FILING DATE: 25-Apr-1999
CLASSIFICATION: (Unknown)
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB98/01026
FILING DATE: 7-APR-1998
APPLICATION NUMBER: GB 9707468.8
FILING DATE: 11-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: SAGEFF, B. J.

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REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 124-725
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 548 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-380-061B-18

Query Match          59.2%; Score 35.5; DB 4; Length 548;
Best Local Similarity 75.0%; Pred. No. 1,1e-02;
Matches 9; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

97 1 EELMLR-LQDYE 11
14 111 11 11111
14 272 EELFLRLTQDYK 283

Search completed: January 16, 2003, 16:59:14
Job time : 13.3429 secs

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